

A. Torrance Pot

Na.

This is the response to 4(a) in the letter of using the suggested format. A lot of information provides the following descriptions of the manufacturing processes and the substances used or generated in those processes which are described in the disposal records from the 19502 South Normandie, Torrance, California facility:

*Note: The following information is based on past and present definitions and is ~~as accurate as possible~~.

The only wastewater treatment at Torrance during that time was a paint residue, oil and water, treatment referred to meant in the OEI manifests. Chromium was a system for Chromium rinse waters. This system was installed in 1977-78.

Machine Cooling (Process): A fluid from mill Sumps. The use of oil and water used to cool metals during milling operations.

3. Metal Polishing - Chrome plating (?) etc. procedure using ~~2FF 11. N0/8~~

D. Alkaline Solution from "Caustic":

Solutions with pH greater than 9 used in deburring machines (2PP11) and in ~~coatings~~. The solution consists

Did we send chem of 20% NaOH and water OR 50% KOH and water plus Sodium methyl Aluminate and Sulfur as sulfides.

1. Toluene correct

E. PARTS Cleaning - Douglas II (100%)

(Stockard Solvent) is used to clean parts. Others? Trichloroethylene (Note it in degreasers)

F. Sol Oil - Refers to Solvable oil ~~as~~ as mill coolant (See, B.)

G. Deburring machines - Same as 2PP11 (See D.) Contains alkaline soaps only ~~type on other~~

Q. Process Waste tanks - may refer to a waste from process tank. This could be a multitude of things. Solutions i.e. ... wash racks ~~wash~~ same as steam slab (which contains alkaline soaps) also garage wash rack contains grease ~~oils~~ and soap.

What was sent to OII from process tanks? mostly chrome? Any solvents? some as blowdown?

Boiler Blowout Strapper - Produces waste water and oil at varying concentrations. And waste sent directly to sewer.

Where do acids come from? Cooling Tower - Contains wastewater and mud, may also contain acids. Alkali come from? ~~alkali~~ is low concentrations. Any chromium containing salts? 2 PPH Sumps - Same as deburring machine (seals) used in deburring and Steam Slabs for cleaning equipment.

Stripping Slab Tank - Same as Steam Slab. Dye and Water tank - Same as

Dye and Water tank - Same as

in the dye? Soluble dye which may have contained nitric acid & permanganic acid at low concentrations. This tank is a closed tank at least prior present. This tank was used primarily as a paint stripper. Nitric Acid only.

Steam SLAB - Same as Steam and Steamer, No! Look at MSDS for coolant solvent & coolant. Chip Compactor - Refers to the cover of metal chips obtained from the compression of metal chips. Coolant contains

Van Stratten - 653 1983

Petrokumal - 60-70% 1983

Tetra chlorophenol - 15%

Phenol - 1.56%

Potassium salts of tall
oil fatty acids - 1-10%

Mixed isopropanol amines
1-10%

Perfume trace ants

1983 - 2000

PEMS X1004W

water 50%

Pegmented propylene glycol - Pems 200 \$-1981

Non-to phenol-1,4-ethylene oxide added

Chlorinated
paraffins 7%

3-10%

Sodium Sulfonate

8%

1981

Mineral oil - 12-15%

Hexylene glycol - 15, 6%

3-5%

Glycol ether 5%

Sodium sulfonate

15-20%

Polyterephthalide
(Grotan) 0.25%

Surfactants 3%

Amides 1%

Anticorrosives

Dyes 2%

Water soluble FA's w/ ethylene oxide 3%

Silicon - .2cc/l

Defoamer 1cc/l

Surfactants - 0.82%

Blue dye - 0.2 g/l

VQ. Paint Booth: ~~processes~~ paint sludge.

(?)

Nonignitable tank bottoms consisting
of paint residue and possibly
~~solvent~~, ~~paint was oil based~~.
May be recovered during cleaning of
metal chips used to hold parts
being painted.

✓ R. Aircraft manufacturing: is very

general term written on the manifests
which could ~~be~~ have many different
meanings and cannot be adequately
or correctly described.

(2) 1977-1983, what was disposal method - ~~sewer~~
OS. SOAP: ~~is deposited directly~~ "soap"
Contained phosphates? ~~it can be treated~~. both
was hauled to OII (Operating Industries)
There are 28 known Soaps that are ~~enc~~ site.
Used today and a list of Soaps is available
upon request.

T. Biodegradable oil - used as
coolant during milling ^{and} soluble
oil ^{which was} recovered from
mill sumps.

U. Wastewater - may contain oil,
grease, mud and water from sump
from the clarifier pumps ~~go to~~
where the water is ~~no~~ flowing over ~~sewer~~ ~~sewer~~

Don't ~~wrong~~ Ligne Sludge - Recovered from
Water tower filters ~~lignite~~ ~~lignite~~ ~~used~~
white filters there being
cleaned in a lime tank.

W. Water base paint sludge:
Paint residues only. Contains no oils.
Originated from paint booths.

This is the response to 4(b) in
 the letter, using the suggested format,
 the following provides descriptions
 of the manufacturing processes and
 the substances used or generated
 in those processes which are described
 in disposal records from 13855 Hakewood
 PSD, Long Beach Calif. facility at

* Note: The following information is based upon best present definitions
 and my knowledge as accurately as possible. These

A. DUMPS #59, 60, 34, 441: Are all
 SPAR MILL SUMPS which contain
 varying amounts of biodegradeable
 mill coolant and water used
 in mill machining. Mill coolant
 is a soluble oil.

2 B. MILL SUMPS, compactor catch sums:
 See A.

3 C. RAMP CATCH Sumps, PLANT WIDE
SUMPS, CATCH SUMPS, Clarifier:
 All contain RUNOFF WATER
 which may contain oil, oil fuel,
 paint sludge, solvents or sediments
 such as mud. TOTAL Amt ^{run} of road oils
 in runoff water is less than 10 percent.

list
 sources of D. oil: less than 10% waste machine oil,
 from - on jet fuel.
 on some 5 E. Oil Fuel: Diesel #2 (% unknown)
 of these where oil is emitted, 6 F. Sol Oil: Soluble oil, mill coolant.
 from -

7 G. PAINT Sludge: less than 5% paint
 residues, NaOH (close to 2%), and the
 balance is water from plant-wide
 H. Solvents: MEK, Toluene, Trichloroethane,
 etc. ... used to clean parts

I. MILL COOLANT-COMPACTOR: Refers to the
 recovery of biodegradeable mill coolant from
 the compression of metal chips obtained from
 milling operations

J. Alkaline Solution from Aluminum

Cleaning Tank: Al cleaning tank

utilizes an ~~the~~ aluminum cleaner consisting of 590 Turco 490 (Turco 490 is Sodium Carbonate plus Sodium Silicate) and the balance is water.

Its Turbine cleaning is water.
 Its Turbine cleaner utilises a
 only Machine / Equipment Cleaning: A Steam
 or ~~do~~ ^{use} ~~the~~ ^{different} ~~Cleaner~~ Alkaline solution which consists
 use ^{various} of varying amounts of soaps and water.

~~Vendor
Use other
vendors.~~ Polyglycol antifreeze = waste water containing antifreeze from vehicle maintenance garage.
~~3/25/04~~

Call M.C. Registering Mill: No information
seen (C) on this item could be
located.

N. PAINT BOOTH - See G

O. ~~All~~: Metal Polishing, Metal Cleaning, Deburring Machine; waste fluids from Metal Cleaning processes etc.: could consist ^{have} of any of the following;

Basis / 1,1,1,1 Trichloroethane (100%)

For 1.2% - 2. Mineral Spirits (100%) or

We use
#3 at present. 3. Turco HTCf NaOH, Sodium Carbonate,
Sodium Silicate (6-8oz/gal.)

P. Resin Water? See comment on M

Q. Biodegradable Mill Coolant: See F.